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(54) **Flexible light pipe for side-lit applications**

(57) An improved optical light pipe for side-lit uses is formed from a core/cladding combination, optionally with a transparent jacket, where the core is preferably a cured acrylic polymer and the cladding is preferably a fluorocarbon polymer containing a very low level of fine particles which scatter the light uniformly along the

length of the piping. Further light enhancement can be obtained with low levels of glass fibers or glass microspheres also present in the cladding. Chopped glass fibers alone at low levels in the cladding are useful for back-lit applications. The light pipe so formed is useful in signs, underwater outlines, corridor lighting in theaters, and similar uses.

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EUROPEAN SEARCH REPORT

Application Number
EP 97 30 8902

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 February 1999	Examiner Attalla, G
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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